IAP7 Rec'd PCT/PTO 01 SEP 2006 TO-1390 (Modified)

		TRANSMITTAL LETTER T DESIGNATED/ELECTE CONCERNING A SUBMISS	ATTORNEY'S DOCKET NUMBER 701019 CLIENT REF. NO. Tak-201493 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/582,602							
INTERNATIONAL APPLICATION NO. PCT/JP2004/018479 TITLE OF INVENTION			INTERNATIONAL FILING DATE 10 December 2004 (10.12.2004)	PRIORITY DATE CLAIMED 11 December 2003 (11.12.2003)						
	α-AMINO ACID DERIVATIVES AND USE THEREOF AS MEDICINES									
APP	LICAI	NT(S) FOR DO/EO/US	AKAHOSHI et al.							
App	olica	nt herewith submits to the United St	ates Designated/Elected Office (DO/EO/US) t	he following items and other information:						
1.		This is a FIRST submission of item	ns concerning a filing under 35 USC 371 and	37 CFR 1.491.						
2.	\boxtimes		NT submission of items concerning a filing un							
3.		This is an express request to begin	n national examination procedures (35 USC 3	71(f)).						
4.		The US has been elected (PCT Ar	ticle 31).							
5.		b. has been communicated	ed only if not communicated by the Internation							
6.		 a.	the International Application as filed (35 USC nitted under 35 U.S.C. 154(d)(4).	371(c)(2)).						
7.		a. are attached hereto (requb. have been communicated	nternational Application under PCT Article 19 tired only if not communicated by the Internati d by the International Bureau. vever, the time limit for making such amendm will not be made.	onal Bureau).						
8.		An English language translation of	the amendments to the claims under PCT Ar	tide 19 (35 USC 371(c)(3)).						
9.		An oath or declaration of the inven	tor(s) (35 USC 371(c)(4)).							
10.		An English language translation of (35 USC 371(c)(5)).	the annexes to the International Preliminary	Examination Report under PCT Article 36						
11.	 Nucleotide and/or Amino Acid Sequence Submission a.									
12. 13. 14. 15. 16. 17. 18.		An Information Disclosure Stateme ☐ Form PTO-1449 ☐ Copies of References (except	for U.S. patents and applications) eparate cover sheet in compliance with 37 CF eliminary amendment. I/or address letter.	R 3.28 and 3.31 is included.						

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. 10/582,602 PCT/JP2004/018479 701019											
The following fees are		CALC	CULATIONS	PTO USE ONLY							
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21. Basic national fee \$300 \$ 22. Examination Fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200											
23. Search Fee			••••••	•••••	\$2	00					
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Applicant claims s	mall entity status. Se	e 37 CFR	1.27. Fees ab	ove are red	duce	d by ½.	\$	5()			
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NOTE: Where an ap or (b)) must be filed						een met, a pe	tition	to revive (3)	7 CFR 1.137(a)		
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	180 North Stetson Avenue Chicago, Illinois 60601-6780										
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S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/582,602	INTERNATIONAL APPLICATION NO. PCT/JP2004/018479	ATTORNEY DOCKET NO. 701019	CLIENT REF. NO. Tak-201493
EV 708754350 U	us	September 1,	2006
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International Patent Application, inc the United States Postal Service "E			
International Patent Application, inc the United States Postal Service "E date indicated above and is addres Alexandria, VA 22313-1450.	Express Mail Post Office to Ad	dressee" Service under 37	CFR 1.10 on the
the United States Postal Service "Edate indicated above and is addressed above."	Express Mail Post Office to Adssed to Mail Stop PCT, Comm	dressee" Service under 37	CFR 1.10 on the Box 1450,

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application No. 10/582,602

Applicant: Akahoshi et al.

Filed: June 9, 2006

TC/AU: Unassigned

Examiner: Unassigned

Docket No.: 701019 (Client Reference No. 201493)

Customer No.: 23460

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

within any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date

In re Appln. of Akahoshi et al. Application No. 10/582,602

		rst Office Action on the merits; or (d) before the mailing of a first Office Action ne filing of a request for continued examination under 37 CFR 1.114.
	37 CF	a), (b), (c) or (d) above, but before the mailing date of a final action under R 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that rise closes prosecution in the application, and includes <i>one</i> of:
		the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).
	\Box	the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).
	under and on 37 CF	he mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance 37 CFR 1.311, or an action that otherwise closes prosecution in the application, or before payment of the issue fee, and includes the Statement under R 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as th in 37 CFR 1.17(p) (see "Fees" below).
	payme contain 37 CF \$180 a NOTE: May 29	the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before not of the issue fee, and within thirty days of receiving each item of information need in the Information Disclosure Statement, and includes the Statement under R 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of set forth in 37 CFR 1.17(p) (see "Fees" below). This is for original applications except applications for a design patent, filed on or after 2000, wherein a paper containing only an Information Disclosure Statement in compliance CFR 1.97 and 1.98 is being filed.
Copie	s of the	References
	Copies herewi	s of all of the references listed on the enclosed Form 1449 are enclosed th.
\boxtimes	Form 1	of U.S. patents and patent applications that are listed on the accompanying 1449 are not enclosed herewith. Copies of other references identified on the panying Form 1449 are enclosed herewith.
	relevar an Eng action degree	ed to each reference not in the English language is a concise explanation of the nce pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or glish-language abstract, or an English-language version of the search report or by a foreign patent office in a counterpart foreign application indicating the of relevance found by the foreign office is being submitted in lieu of a concise ation of the relevance pursuant to 37 CFR 1.98(a)(3).
\boxtimes	A copy	y of the foreign search report is enclosed herewith.
	parent	ferences listed on the enclosed Form 1449 were previously identified in the application(s) of the present application, and copies of the references were

In re Appln. of Akahoshi et al. Application No. 10/582,602

submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLI	CATIONS	STATUS (check one)				
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED		
1.						
2.						
3.						

State	nent under 37 CFR 1.97(e)
	The undersigned hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
	The undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
Stater	ment under 37 CFR 1.704(d)
	The undersigned hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
Fees	•
	No fee is owed by the applicant(s). Charge Deposit Account No. 12-1216 in the amount of \$180.00 (37 CFR 1.17(p)). (A duplicate copy of this communication is enclosed for that purpose.)

In re Appln. of Akahoshi et al. Application No. 10/582,602

Authorization to Charge Additional Fees

If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

Instructions as to Overpayment

Credit Account No. 12-1216.
Refund

John Kilyk, Jr., Reg. No. 39,763 LEYDIG, VOIT & MAYER, LTD. Two Prudential Plaza, Suite 4900 180 North Stetson Avenue Chicago, Illinois 60601-6780 (312) 616-5600 (telephone) (312) 616-5700 (facsimile)

Date: September 1, 2006

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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of

Complete if Known					
Application Number	10/582,602				
Filing Date	June 9, 2006				
First Named Inventor	AKAHOSHI, Fumihiko				
Group Art Unit	Unassigned				
Examiner Name	Unassigned				
Attorney Docket Number	701019				
Client Reference No.	201493				

	U.S. PATENT DOCUMENTS									
		U.S. Patent Do	cument							
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate				
	AA	2003/0134802	A1	Demuth et al.	Jul. 17, 2003					
	ΑB	2004/0063935	A1	Yasuda et al.	Apr. 1, 2004					
	AC	2004/0106656	A1	Ashton et al.	Jun. 3, 2004					
	ΑD	2004/0229926	A1	Yasuda et al.	Nov. 18, 2004					
	ΑE	2005/0054678	A1	Yasuda et al.	Mar. 10, 2005					
	AF	2005/0203030	A1	Demuth et al.	Sep. 15, 2005					
	AG	6,548,481	B1	Demuth et al.	Apr. 15, 2003					
	ΑН	6,849,622	B2	Yasuda et al.	Feb. 1, 2005	·				
	ΑI	7,026,316	B2	Ashton et al.	Apr. 11, 2006					

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	FOREIGN PATENT DOCUMENTS										
Foreign Patent Document							Trans	slation			
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+			
	ΑJ	wo	99/61431	A1	Probiodrug Gesellschaft fur Arzneimittelforschung MBH	Dec. 2, 1999		X*+			
	AK	WO	02/30891	A1	Tanabe Seiyaku Co., Ltd.	Apr. 18, 2002		X*+			
	AL	wo	02/076450	A1	Merck & Co., Inc.	Oct. 3, 2002					
	ΑM	JP	2004-244412	Α	Kotobuki Seiyaku KK	Sept. 2, 2004		X*+			
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		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	Trans	lation
Initials	No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No**
	AN	HEYMANN et al., FEBS Letters, 91(2): 360-364 (July 1978)		
	AO	SCHÖN et al., Biomed. Biochim. Acta, 44(2): K9-K15 (1985)		
_	AP	JOHNSON et al., The Journal of Cell Biology, 121(6): 1423-1432 (1993)		
	AQ	CALLEBAUT et al., Science, 262: 2045-2050 (December 24, 1993)		
	AR	DEACON et al., Journal of Clinical Endocrinology and Metabolism, 80(3): 952-957 (1995)		
	AS	DEACON et al., American Journal of Physiology, 271: E458-E464 (1996)		
_ = ==	ΑТ	KNUDSEN et al., European Journal of Pharmacology, 318: 429-435 (1996)		
	AU	WIEDEMAN et al., Current Opinion in Investigational Drugs, 4(4): 412-420 (2003)		
	AV	CALDWELL et al., Bioorganic & Medicinal Chemistry Letters, 14: 1265-1268 (2004)		
	AW	PARMEE et al., Bioorganic & Medicinal Chemistry Letters, 14: 43-46 (2004)		

Examiner Signature	Date Considered	

A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
 An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

